

FIG. 1

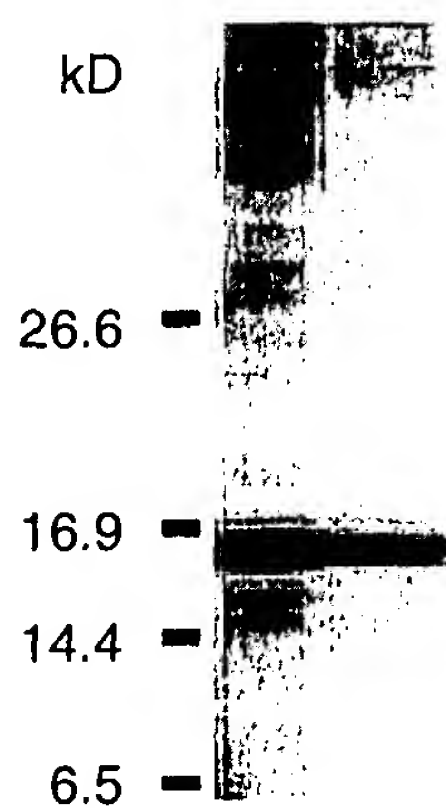


FIG. 2

0566303-05404

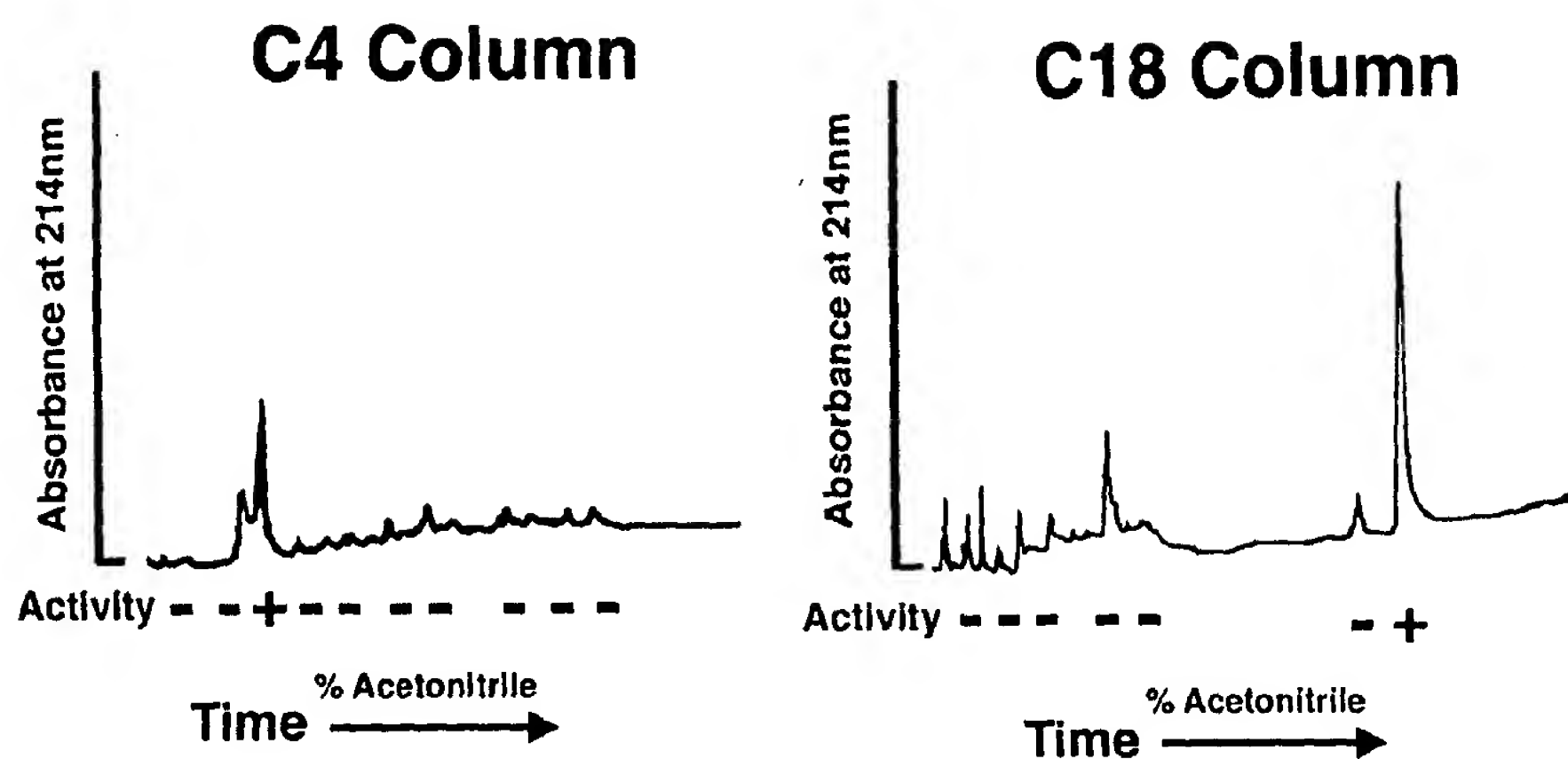


FIG. 3

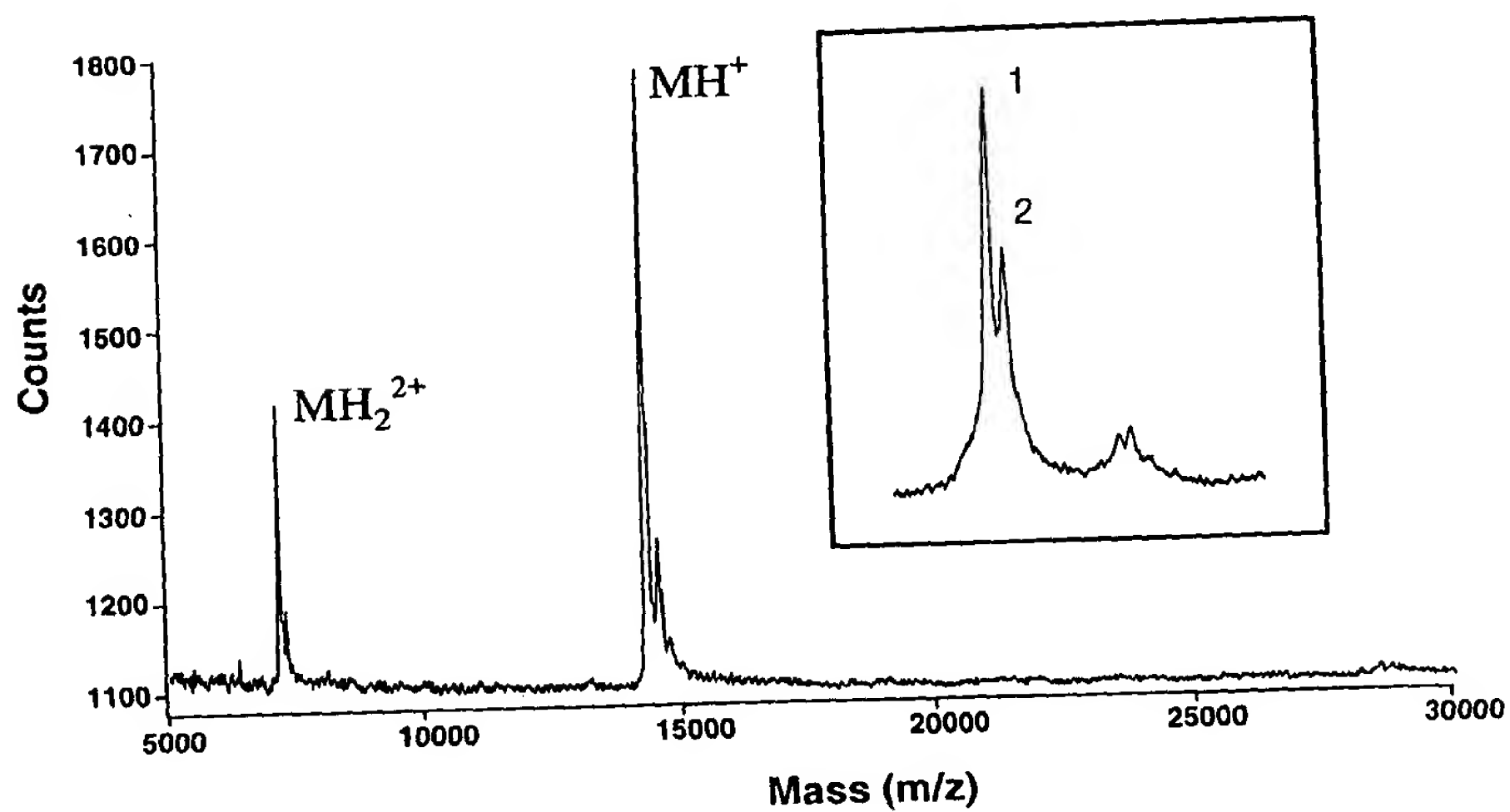


FIG. 4

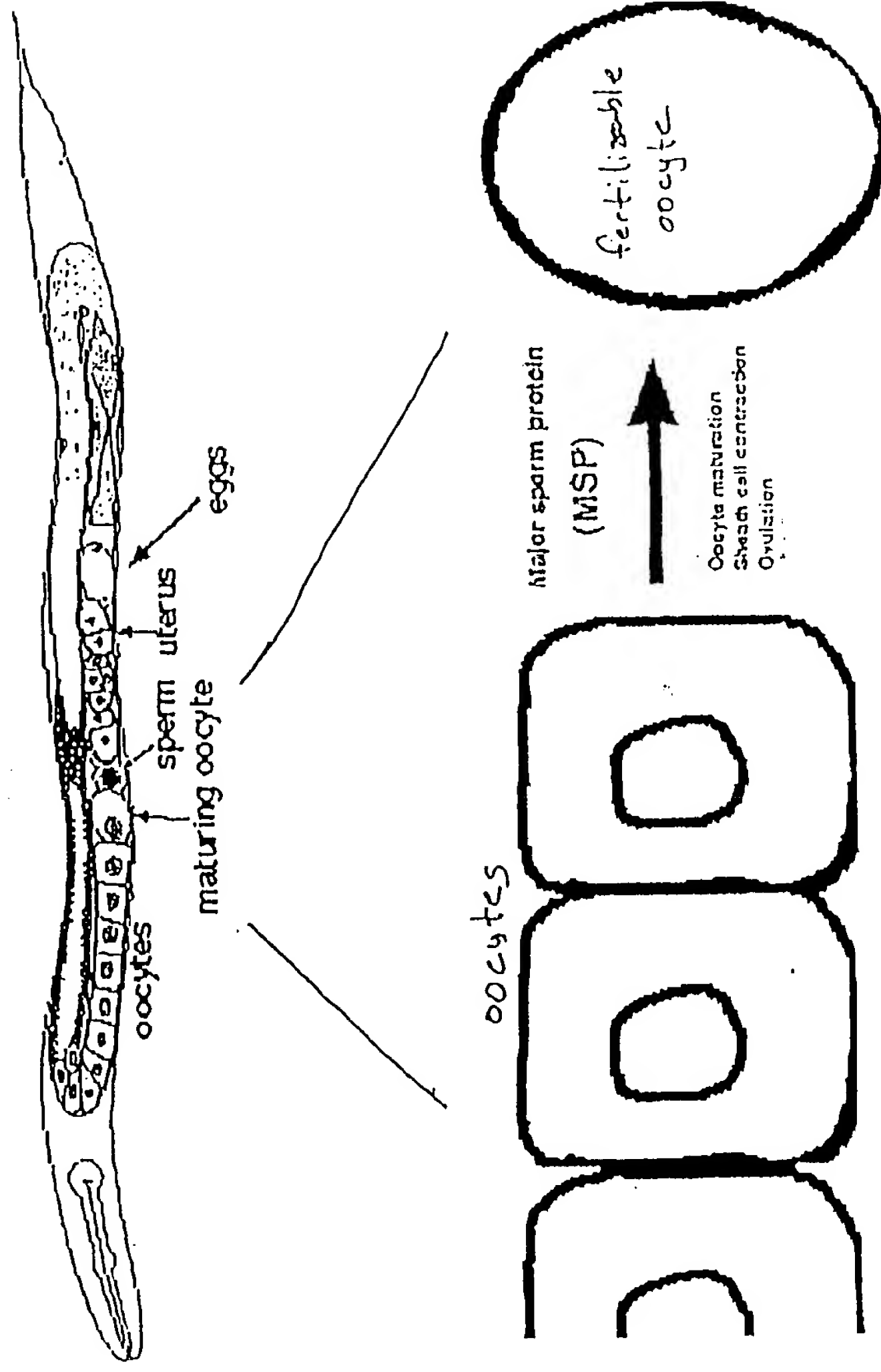


FIG. 5

	10	20	30	40	50	60	70
MSP-3	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-10	MAQSVPPGDIQTQPNAKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-19	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-31	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-33	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-38	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-40	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-45	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-49	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-50	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-51	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-53	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-55	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-56	MAQSVPPGDIQTQPNAKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-57	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-59	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-63	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYRIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-64	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-65	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-76	MAQSVPPGDIQTQPNAKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-77	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-78	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-79	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-81	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-113	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-142	MAQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				
MSP-152	MTQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT	TTNMKRLGVDPPCGVLD	PKEAVL				

FIG. 6

7.07250" E90E9360

	80	90	100	110	120	127	
MSP-3	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAARQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:2	
MSP-10	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:3	
MSP-19	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-31	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-33	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:4	
MSP-38	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:5	
MSP-40	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-45	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-49	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:6	
MSP-50	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-51	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-53	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-55	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:7	
MSP-56	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:3	
MSP-57	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:7	
MSP-59	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-63	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:8	
MSP-64	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-65	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-76	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:3	
MSP-77	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMARRKNLPIEYNP	SEQ	ID	NO:9	
MSP-78	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:10	
MSP-79	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMARRKNLPIEYNP	SEQ	ID	NO:9	
MSP-81	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-113	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-142	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:1	
MSP-152	LAVSCDAFAFGQEDTNNDRI	TVIEWTNTPDGAAKQFRREWF	QDGMVRRKNLPIEYNP	SEQ	ID	NO:3	

FIG. 6 - Continued

FIG. 7

	10	20	30	40	50	60	70
MSP-142	MAQSVPPGDIQTQPGTKIVFNAPYDDKH ¹ YHIKVINSARRIGYGIKTTNMKRLGVDP ² PCGVLDPK ³ EAVL						
P27439	MAQSVPPGDIQTQPGTKIVFNAPYDDKH ¹ YHIKVINSARRIGYGIKTTNMKRLGVDP ² PCGVLDPK ³ EAVL						
P27440	MAQSVPPGDIQTQPGTKIVFNAPYDDKH ¹ YHIKVINSARRIGYGIKTTNMKRLGVDP ² PCGVLDPK ³ EAVL						
	80	90	100	110	120	127	
MSP-142	LAVSCDAFAFGQEDTNNDRITV ¹ EWNTPTDGA ² AKQFRREWFQGDGMVRRK ³ NLP ⁴ IEYN ⁵ P						
P27439	MAVSCDTFNAATEDLNNDRITV ¹ EWNTPTDGA ² AKQFRREWFQGDGMVRRK ³ NLP ⁴ IEYN ⁵ L						
P27440	MAVSCDTFNAATEDLNNDRITV ¹ EWNTPTDGA ² AKQFRREWFQGDGMVRRK ³ NLP ⁴ IEYN ⁵ L						

FIG. 7

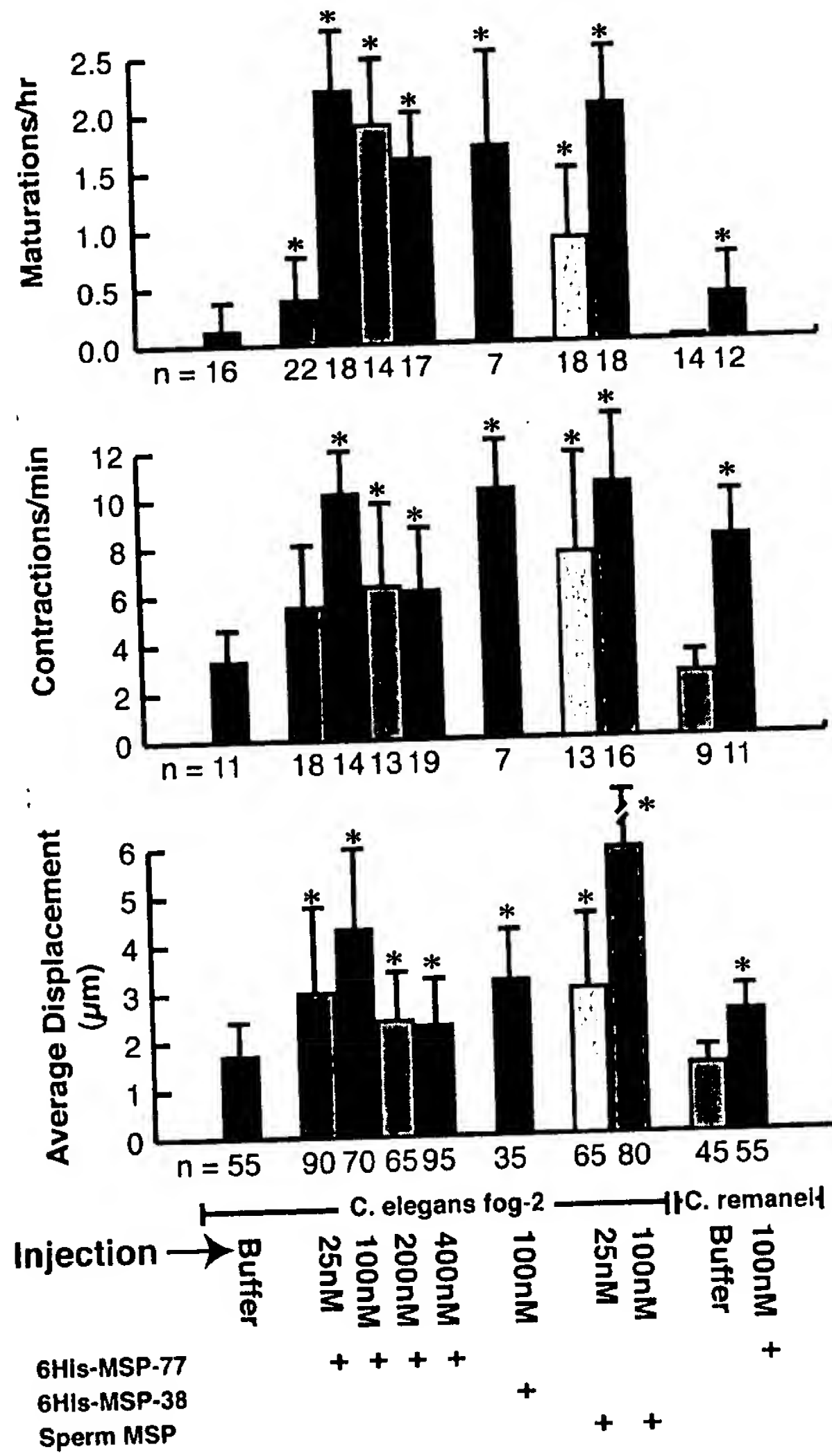


FIG. 8

	110	120
AsMSP α	REWFQGDGMVRRKNLPIEYNL	
AsMSP β	REWFQGDGMVRRKNLPIEYNL	
GrMSP1	LEWFQGDGMVRRKNLPIEYNV	
GrMSP2	LEWFQGDGMVRRKNLPIEYNV	
GrMSP3	LEWFQGDGMVRRKNLPIEYNV	
CeMSP142	REWFQGDGMVRRKNLPIEYNP	
CeMSP33	REWFQGDGMVRRKNLPIEYNP	
OvMSP1	REWFQGDGMVRRKNLPIEYNL	
OvMSP2	REWFQGDGMVRRKNLPIEYNL	

FIG. 9

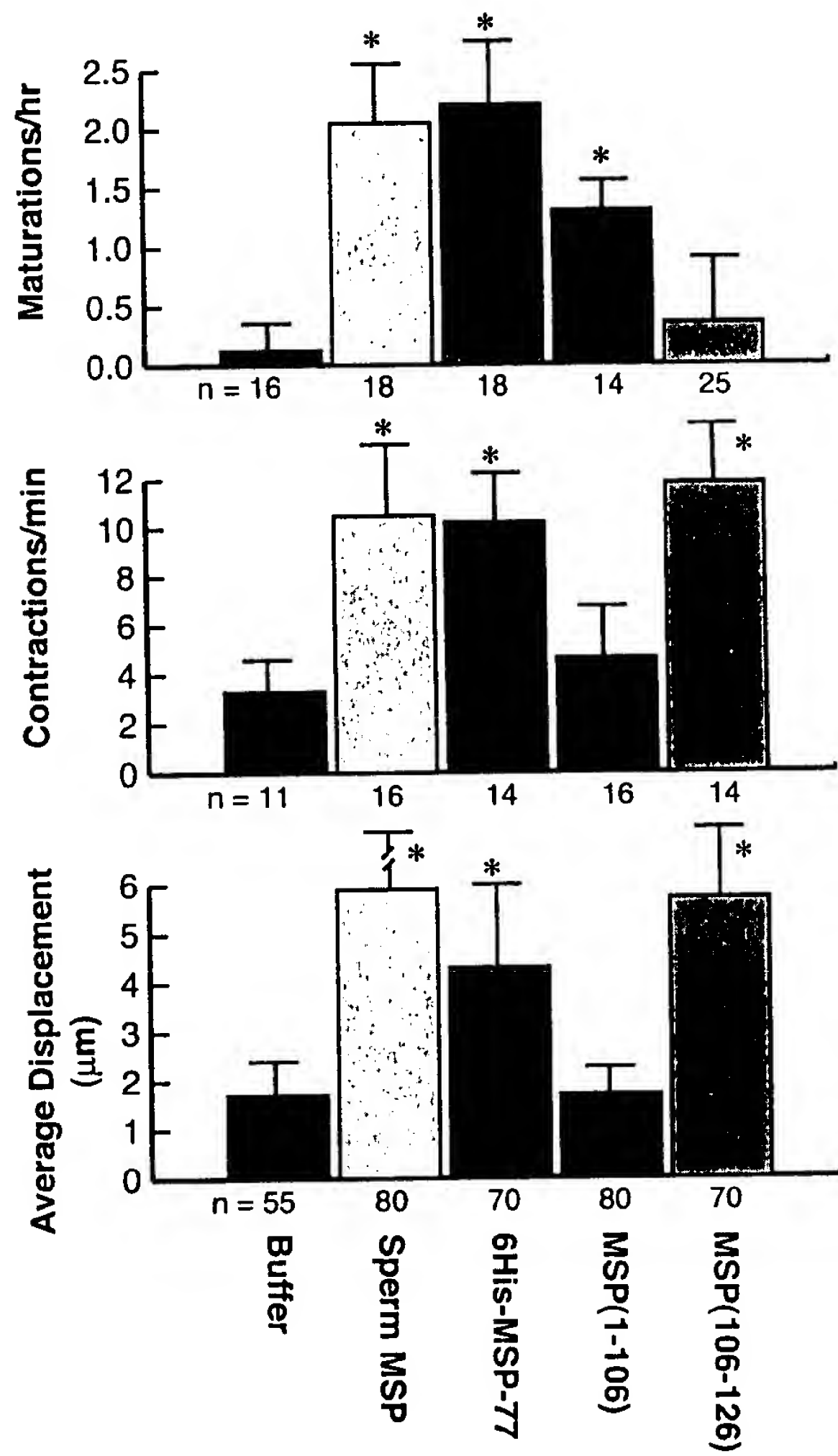


FIG. 10